

ABSTRACT OF THE DISCLOSURE

5 An ultrasound cavital probe suitable for transrectal or other usage,
includes an ultrasound probe, having an outer housing, a pair of motors within
one end of the housing, a first shaft operatively associated with one of the
motors to provide longitudinal movement to the ultrasound transducer, while a
10 second shaft operatively associated with the second motor, and which extends
through the hollow interior of the first said shaft, provides for pivotal or rotary
movement to the ultrasound transducer and probe, to furnish a 2-dimensional
view of the surrounding anatomy, and which in combination with the movement
from the first shaft, furnishes a 3-dimensional volumetric scan of the surrounding
15 anatomy, along with facilitating the image plane movements normally obtained
by a standard probe while used in a stepping device.